

SECTION 10100
VISUAL DISPLAY BOARDS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, apply to this Section.

1.2 SUMMARY

- A. Section includes:
 - 1. White vinyl wall covering markerboards.
 - 2. Cork tackboard material for direct, frameless application to wall substrate.
 - 3. Aluminum trim and accessories

1.3 SUBMITTALS

- A. Product Data for each type of product specified. Include data on physical characteristics, durability, fade resistance, and flame-resistance characteristics.
- B. Shop Drawings showing location and extent of each marker wall covering type. Indicate seams and termination points.
- C. Samples for initial selection in the form of manufacturer's color charts consisting of actual units or sections of units showing the full range of colors, textures, and patterns available.
- D. Samples for verification in sets for each color, texture, and pattern specified, showing the full range of variations expected in these characteristics.
 - 1. Wall Covering Marker Board Material: Full-width sample, not less than 36 inches long, from dye lot used for the Work.
 - a. Submit sample with specified treatments applied.
 - b. Mark top and face of material.
- E. Schedule of wall coverings marker board using same room designations indicated on Drawings.
- F. Maintenance data for wall covering to include in the operation and maintenance manual.
- G. Aluminum Trim and Accessories: Samples of each finish type and color, on 6-inch- long sections of extrusions and not less than 4-inch squares of sheet or plate. Include Sample sets showing the full range of color variations expected.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Engage an experienced installer who is an authorized representative of the manufacturer for both installation of products required for this Project.
- B. Source Limitations: Obtain wall covering marker boards through one source from a single manufacturer.
- C. Fire-Test-Response Characteristics: Provide vinyl wallcovering markerboards with the following surface-burning characteristics as determined by testing assembled materials composed of facings and backings identical to those required in this Section per ASTM E 84 by a testing and inspecting agency acceptable to authorities having jurisdiction.
 - 1. Flame Spread: 25 or less.
 - 2. Smoke Developed: 10 or less.
- D. Mockups: Prior to installing wall covering markerboard, construct mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects as well as qualities of materials and execution.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify field measurements before preparation of Shop Drawings and before fabrication to ensure proper fitting. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Allow for trimming and fitting where taking field measurements before fabrication might delay the Work.

1.6 WARRANTY

- A. Wall Covering Markerboard Warranty: Submit a written warranty executed by manufacturer agreeing to replace wall covering markerboards that do not retain their original writing and erasing qualities, become slick and shiny, or exhibit crazing, cracking, or flaking within the specified warranty period, provided the manufacturer's written instructions for handling, installation, protection, and maintenance have been followed.
 - 1. Warranty Period: Life of the building.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Manufacturer: Subject to compliance with requirements, provide the following:
 - 1. Wall Covering Markerboards: "Erase-rite" by Walltalkers, Div of RJF International Corp.

2.2 ADHESIVES

- A. Mildew-resistant, nonstaining adhesive, for use with specific wood-veneer wall covering and substrate application, as recommended by wall covering manufacturer.

2.3 ACCESSORIES

- A. Metal Trim and Accessories: Fabricate trim of not less than 0.062-inch- thick, extruded-aluminum alloy, size and shape as indicated, to suit type of installation. Provide straight, single-length units. Keep joints to a minimum. Miter corners to a neat, hairline closure.
 - 1. Chalktray: Manufacturer's standard, continuous, solid, extrusion-type, aluminum chalktray with ribbed section and smoothly curved exposed ends for each markerboard wall covering.

2.4 TACKABLE WALL MATERIALS

- A. Natural-Cork: Single-layer, 1/4-inch- thick, seamless, compressed fine-grain, bulletin board quality, natural-cork sheet; face sanded for natural finish; complying with MS MIL-C-15116, Type II.

2.5 FINISHES

- A. Chalk Tray: Class II, Clear Anodic Finish: AA-M12C22A31 (Mechanical Finish: nonspecular as fabricated; Chemical Finish: etched, medium matte; Anodic Coating: Architectural Class II, clear coating 0.010 mm or thicker) complying with AAMA 607.1.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for moisture content and other conditions affecting performance of Work of this Section. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions for surface preparation.
- B. Clean substrates of substances that could impair wall covering's bond, including mold, mildew, oil, grease, incompatible primers, and dirt.
- C. Prepare substrates to achieve a smooth, dry, clean surface free of flaking, unsound coatings, cracks, and defects.
 - 1. Painted Surfaces: Treat areas susceptible to pigment bleeding.
 - 2. Moisture Content: Maximum of 5 percent on new plaster, concrete, and concrete masonry units when tested with an electronic moisture meter.
 - 3. Prime new gypsum board with primer recommended by wall covering manufacturer.
- D. Check painted surfaces for pigment bleeding. Sand gloss, semigloss, and eggshell finishes with fine sandpaper.
- E. Acclimatize wall covering markerboard materials by removing them from packaging in the installation areas not less than 24 hours before installation.

3.3 WALL COVERING MARKERBOARD INSTALLATION

- A. General: Comply with wall covering markerboard manufacturers' written installation instructions applicable to products and applications indicated, except where more stringent requirements apply.
- B. Cut wall covering markerboard in roll number sequence. Change run numbers at partition breaks and corners only.
- C. Install wall covering markerboard with no gaps or overlaps.
- D. Install seams vertical and plumb at least 6 inches from outside corners and 3 inches from inside corners. No horizontal seams.
- E. Remove air bubbles, wrinkles, blisters, and other defects.
- F. Trim edges for color uniformity, pattern match, and tight closure at seams and edges. Butt seams.

3.4 CORK TACKBOARD INSTALLATION

- A. Install cork tackboards in locations indicated. Keep perimeter lines straight, plumb, and level. Provide adhesives necessary for complete installation.
- B. Apply cork tackable wall surfacing to partitions with adhesive in accordance with manufacturer's instructions.

3.5 ADJUSTING AND CLEANING

- A. Verify that accessories required for each unit have been properly installed and that operating units function properly.
- B. Clean units according to manufacturer's written instructions.

END OF SECTION 10100